

IN THE CLAIMS

Please amend the claims as follows:

Claim 1-9 (Canceled).

Claim 10 (New): A resin molded article characterized in that the resin molded article is a molded article obtained by irradiating a resin molded article containing 100 to 60 parts by weight of (A) syndiotactic 1,2-polybutadiene having a crystallinity of 5% or more and 0 to 40 parts by weight of (B) at least one thermoplastic polymer selected from the group of polypropylene, a styrene-butadiene-styrene block copolymer (SBS), a styrene-isoprene-styrene block copolymer (SIS), a hydrogenated thereof (SEBS or SEPS), polybutadiene (BR) other than the syndiotactic 1,2-polybutadiene, an ABS resin, polyisoprene, polyethylene (LLDPE, ULDPE or LDPE), an ethylene-vinyl acetate copolymer, an ethylene-acrylate ester copolymer and an ethylene-methacrylate copolymer [with the proviso that (A)+(B)=100 parts by weight), with an electron beam, in which the 50% stress of the molded article after the electron beam irradiation (50% M: M2) is from 1.01 to 2.5 times the 50% stress before the electron beam irradiation (50% M: M1), and the molded article has steam sterilization resistance.

Claim 11 (New): The resin molded article according to claim 10, which has transparency that the haze value of a 2-mm sheet is 50 or less.

Claim 12 (New): The resin molded article according to claim 11, which has a toluene insoluble matter after the electron beam irradiation of 50 to 99% by weight.

Claim 13 (New): The resin molded article according to claim 12, wherein the shape of the molded article is at least one selected from the group of a tube, a sheet, a film, a bag and a connector.

Claim 14 (New): The resin molded article according to claim 13, which is for medical applications.

Claim 15 (New): The resin molded article according to claim 14, which has a halogen atom content of 50 ppm or less.

Claim 16 (New): The resin molded article according to claim 10, which has a toluene insoluble matter after the electron beam irradiation of 50 to 99% by weight.

Claim 17 (New): The resin molded article according to claim 10, wherein as for electron beam dose, the product of electron beam acceleration voltage (kV) and irradiation dose (Mrad) is from 2 to 1,000,000 (kV·Mrad).

Claim 18 (New): The resin molded article according to claim 17, which has transparency that the haze value of a 2-mm sheet is 50 or less.

Claim 19 (New): The resin molded article according to claim 18, which is for medical applications.

Claim 20 (New): The resin molded article according to claim 19, which has a halogen atom content of 50 ppm or less.

Claim 21 (New): The resin molded article according to claim 10, wherein the shape of the molded article is at least one selected from the group of a tube, a sheet, a film, a bag and a connector.

Claim 22 (New): The resin molded article according to claim 21, which is for medical applications.

Claim 23 (New): The resin molded article according to claim 22, which has a halogen atom content of 50 ppm or less.

Claim 24 (New): The resin molded article according to claim 10, which has a halogen atom content of 50 ppm or less.

Claim 25 (New): The resin molded article according to claim 10, which is for medical applications.

Claim 26 (New): A processed product obtained by processing a resin molded article obtained by irradiating a resin molded article containing 100 to 60 parts by weight of (A) syndiotactic 1,2-polybutadiene having a crystallinity of 5% or more and 0 to 40 parts by weight of (B) at least one thermoplastic polymer selected from the group of polypropylene, a styrene-butadiene-styrene block copolymer (SBS), a styrene-isoprene-styrene block copolymer (SIS), a hydrogenated thereof (SEBS or SEPS), polybutadiene (BR) other than the syndiotactic 1,2-polybutadiene, an ABS resin, polyisoprene, polyethylene (LLDPE, ULDPE or LDPE), an ethylene-vinyl acetate copolymer, an ethylene-acrylate ester

copolymer and an ethylene-methacrylate copolymer [with the proviso that (A)+(B)=100 parts by weight), with an electron beam, in which the 50% stress of the molded article after the electron beam irradiation (50% M: M2) is from 1.01 to 2.5 times the 50% stress before the electron beam irradiation (50% M: M1), and the molded article has steam sterilization resistance.

Claim 27 (New): The processed product according to claim 26, which is for food applications, footwear applications, vehicle applications, wire covering applications or medical applications.